Amendments to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A muffler comprising a casing within which are a gas inlet, a gas chamber and a gas outlet, characterized in that a throttling device is located in a gas flow route and controlled by pressure of the gas flow, wherein a cross sectional area of the gas flow of the throttling device reduces when pressure of the gas flow increases.

Claim 2 (previously presented): The muffler according to claim 1, wherein the throttling device controlled by pressure of gas flow is a pressure reducing valves structure.

Claim 3 (previously presented): The muffler according to claim 2, wherein the pressure reducing valves structure includes an adjusting device and a throttling member.

Claim 4 (previously presented): The muffler according to claim 3, wherein the adjusting device comprises a manual adjusting device, a spring, a energy sensor member and a connection lever which are connected in series.

Claim 5 (previously presented): The muffler according to claim 1, wherein the throttling device comprises an open and close member and a fixture.

Claim 6 (previously presented): The muffler according to claim 1, wherein the throttling device comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross

sectional area of its second surface that is opposite to the first surface and exposes to the gas outlet.

Claim 7 (previously presented): The muffler according to claim 4, wherein the throttling member comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross sectional area of its second surface that is opposite to the first surface and exposes to the gas outlet.

Claim 8 (previously presented): The muffler according to claim 4, wherein the energy sensor member is a diaphragm, a piston or a bellows.

Claim 9 (previously presented): The muffler according to claim 7, wherein the connection lever of the adjusting device is connected with the second surface of the open and close member.

Claim 10 (previously presented): The muffler according to claim 9, wherein the energy sensor member is a diaphragm, a piston or a bellows.

Claim 11 (previously presented): The muffler according to claim 10, wherein a spring chamber is connected with the gas chamber; wherein the spring and a part of the manual adjusting device are located within the spring chamber; and wherein the spring chamber comprises a balancing hole communicating with the atmosphere.

Claim 12 (previously presented): The muffler according to claim 7, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.

Claim 13 (previously presented): The muffler according to claim 11, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.

Claim 14 (previously presented): The muffler according to Claim 1, wherein the muffler comprises a pressure sensor member which is connected with the throttling device and senses the pressure of muffled gas flow.

Claim 15 (previously presented): The muffler according to Claim 14, wherein the pressure sensor member senses the pressure of muffled gas flow in the outlet chamber or any place downstream in the gas flow route of the outlet chamber.

Claim 16 (previously presented): The muffler according to Claim 14, wherein the pressure sensor member is a diaphragm, a piston or a bellows.

Claim 17 (previously presented): The muffler according to Claim 15, wherein the pressure sensor member is a diaphragm, a piston or a bellows.

Claim 18 (previously presented): The muffler according to Claim 14, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

Claim 19 (previously presented): The muffler according to Claim 15, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

Claim 20 (previously presented): The muffler according to Claim 16, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

Claim 21 (previously presented): The muffler according to Claim 18, wherein the spring is connected with the pressure sensor.

Claim 22 (previously presented): The muffler according to Claim 18, wherein the other end of the spring is connected with the casing.

Claim 23 (previously presented): The muffler according to Claim 21, wherein the other end of the spring is connected with the casing.

Claim 24 (currently amended): The muffler according to Claim 22, wherein a ~~the~~ manual adjusting device connects ~~connect~~ other end of the spring and the casing.

Claim 25 (previously presented): The muffler according to Claim 22, wherein the part of casing which is connecting the spring form a spring chamber.

Claim 26 (previously presented): The muffler according to Claim 24, wherein the part of casing which is connecting the spring form a spring chamber.

Claim 27 (previously presented): The muffler according to Claim 25, wherein the spring chamber comprises a balancing hole communicating with the atmosphere.